

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

3/2/2012

Andrius Knasas
Assistant District Attorney
Suffolk County District Attorney's Office

Dear ADA Knasas,

Enclosed is the information you requested in regards to items [REDACTED]

1. Curriculum Vitae for Hevis Lleshi and Kate Corbett
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples [REDACTED]

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for these samples. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for these samples.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi
Chemist I
Drug Analysis Laboratory
Jamaica Plain, MA 02130
(617) 983-6627

Curriculum Vitae

Hevis Lleshi

Education

Boston University School of Medicine – Master of Science, Forensic Science
University of South Florida – Bachelor of Arts, Clinical Psychology

Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA Analysis
Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

Employment

March, 2011 – Present
Chemist I, Massachusetts Department of Public Health,
Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, MASSACHUSETTS STATE POLICE—MARINE SECTION, BOSTON, MA, 2008 – 2010

Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units



DRUG RECEIPT

CC # _____
BOOK # _____
PAGE # _____
DESTRUCTION # _____

District/Unit YVSF/VK09
Name & Rank of Arresting Officer BORGES ID# 96717

DEFENDANT'S NAME	ADDRESS	CITY	STATE
			MA
			MA

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY	
		GROSS WEIGHT	ANALYSIS NUMBER
CRACK COCAINE	1 P/B	1.86g	
CRACK COCAINE	1 P/B	1.81g	
CRACK COCAINE	1 P/B	1.90g	

To be completed by ECU personnel only

Name and Rank of Submitting Officer [Signature] ID# 9370

Received by [Signature] Date 7-6-11

ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 2/16/12

Amount:
No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 07/06/2011

No. Analyzed:

Gross Wt.: 1.86

Net Weight: 0.19g

Tests: 6
• 2CAC

Prelim: Cocaine (HLL)

Findings: Cocaine

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 2/16/12

Amount:
No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 07/06/2011

No. Analyzed:

Gross Wt.: 1.81

Net Weight: 0.12g

Tests: 6
• 2CAC

Prelim: Cocaine (HLL)

Findings: Cocaine

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 2/16/12

Amount:
No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 07/06/2011

No. Analyzed:

Gross Wt.: 1.90

Net Weight: 0.17g

Tests: 6
• 2CAC

Prelim: Cocaine (HLL)

Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

HL

No. of samples tested: _____

Evidence Wt.

OKPHYSICAL DESCRIPTION:

Gross Wt (): _____

0.2217g

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: _____

0.1907g

One pb containing
off white substance.
One piece of paper
also included in evidence
bag.

PRELIMINARY TESTSSpot TestsCobalt
Thiocyanate () + weak / + blue w/ acidMarquis -Froehde's -Mecke's -Microcrystalline TestsGold
Chloride +TLTA (-) + w/ acidOTHER TESTSPRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

2/11/2012GC/MS CONFIRMATORY TEST

RESULTS

CocaineMS
OPERATORKAC

DATE

2/16/2012

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY Boston

ANALYST HLL

No. of samples tested: _____

Evidence Wt. OK

PHYSICAL DESCRIPTION:

Gross Wt (): 0.1421g

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.1202g

One pb containing
off white substance.
One piece of paper
also included in
evidence bag.

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () + weak / + blue at acid

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 2/11/2012

GC/MS CONFIRMATORY TEST

RESULTS Cocaine

MS
OPERATOR KAC

DATE 2/16/2012

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

HLL

No. of samples tested: _____

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

Gross Wt (): _____

0.2189g

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: _____

0.1790g

One pb containing
off white substance.
One piece of paper
also included in
evidence bag.

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () + weak / + blue w/ acidMarquis -Froehde's -Mecke's -

Microcrystalline Tests

Gold
Chloride +TLTA (-) + w/ acid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

2/11/2012

GC/MS CONFIRMATORY TEST

RESULTS

CocaineMS
OPERATORLAC

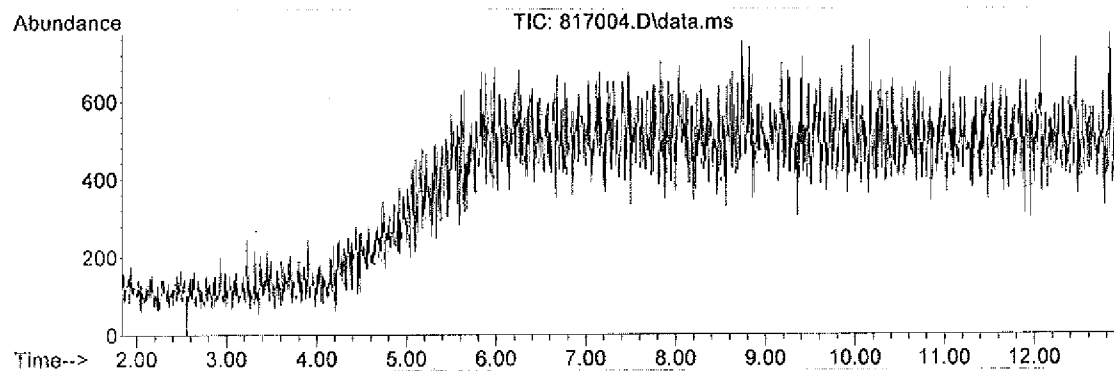
DATE

2/16/2012

✓KAC
2/27/12

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817004.D
Operator : KAC
Date Acquired : 14 Feb 2012 14:50
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

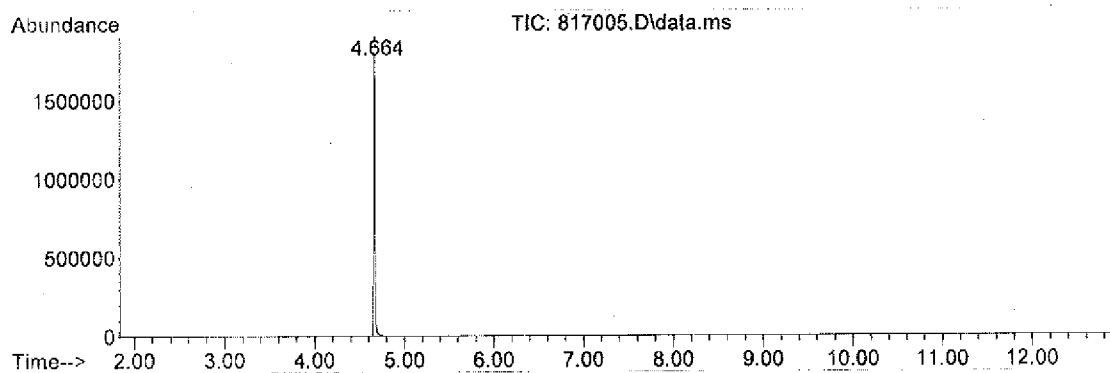


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817005.D
Operator : KAC
Date Acquired : 14 Feb 2012 15:06
Sample Name : COCAINE STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.664	1806340	100.00	100.00

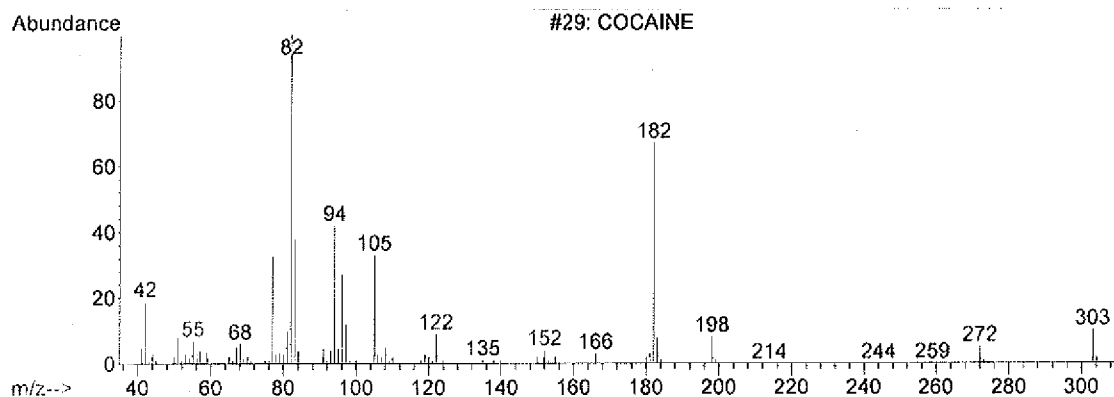
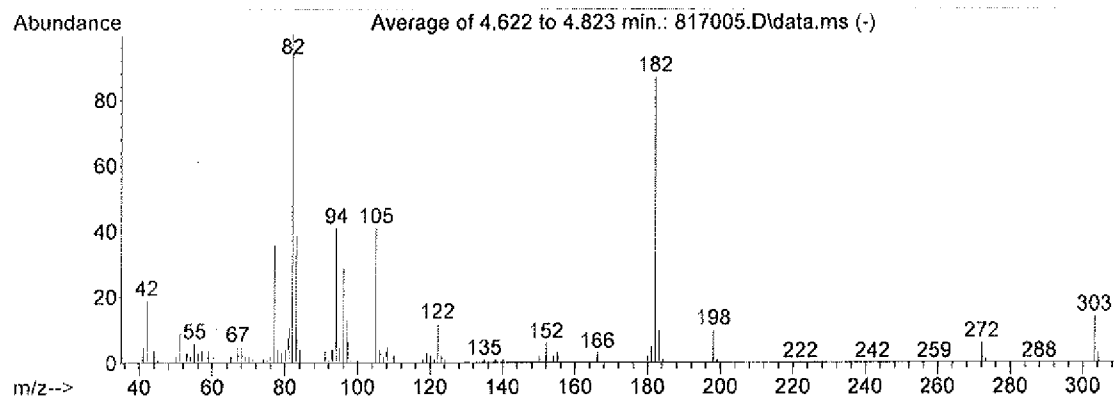
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817005.D
Operator : KAC
Date Acquired : 14 Feb 2012 15:06
Sample Name : COCAINE STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

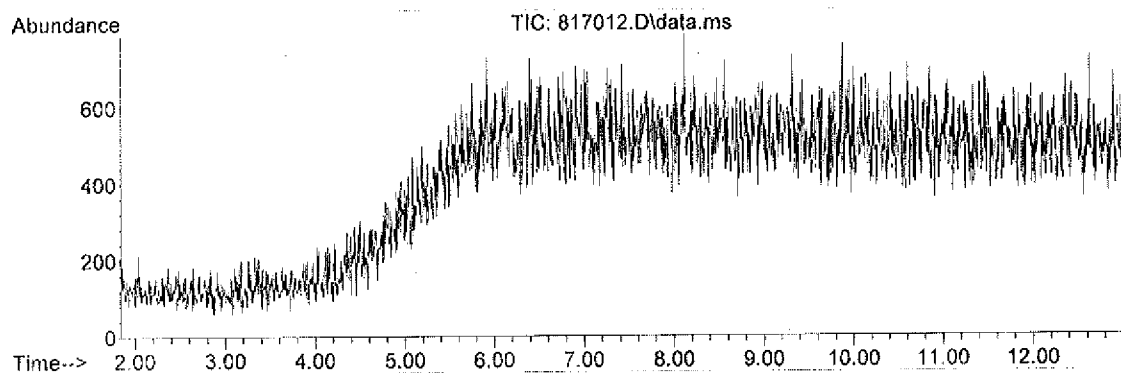
PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817012.D
Operator : KAC
Date Acquired : 14 Feb 2012 16:55
Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



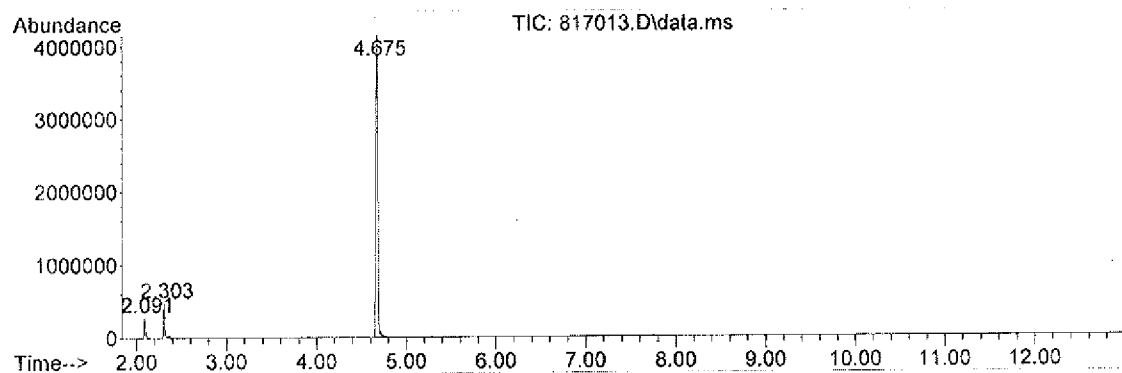
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817013.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:10
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 13
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.091	302151	4.44	4.98
2.303	439472	6.46	7.25
4.675	6062830	89.10	100.00

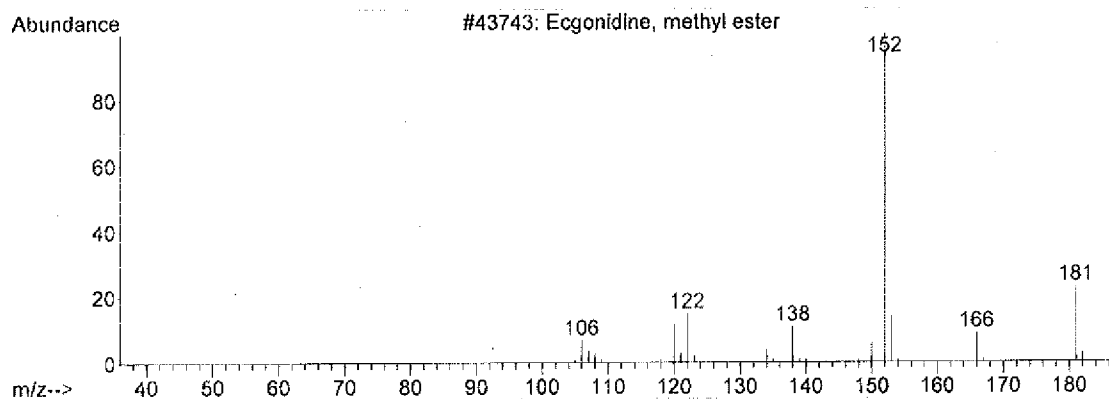
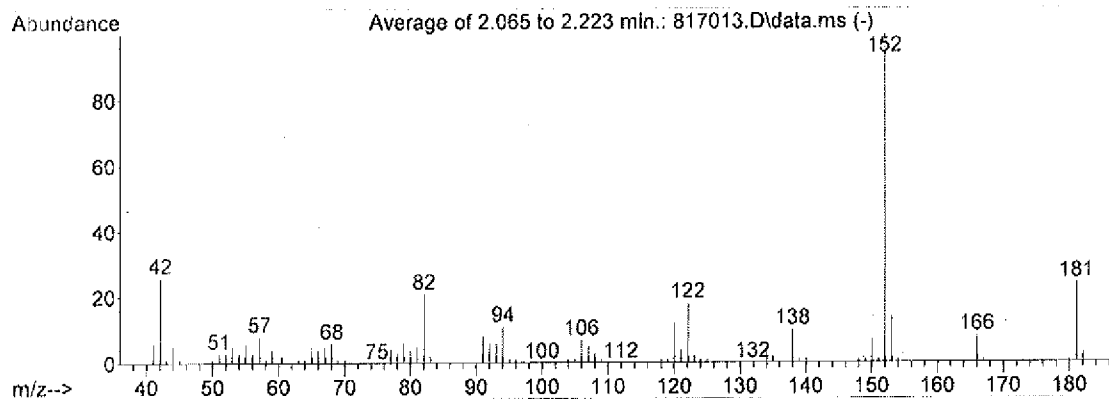
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817013.D
Operator : KAC
Date Acquired : 14 Feb 2012 17:10
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 13
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.09	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43

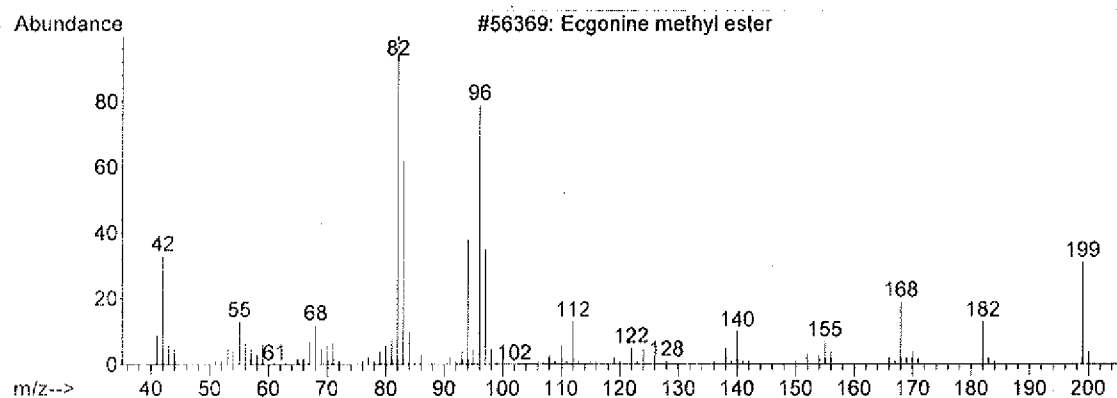
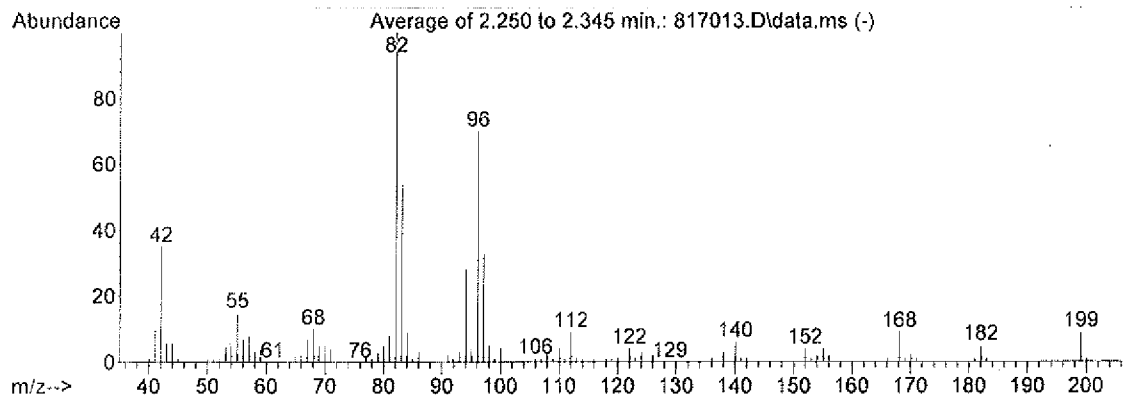


Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817013.D
Operator : KAC
Date Acquired : 14 Feb 2012 17:10
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 13
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.30	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97
		Pseudoecgonine methyl ester	099189-88-5	96



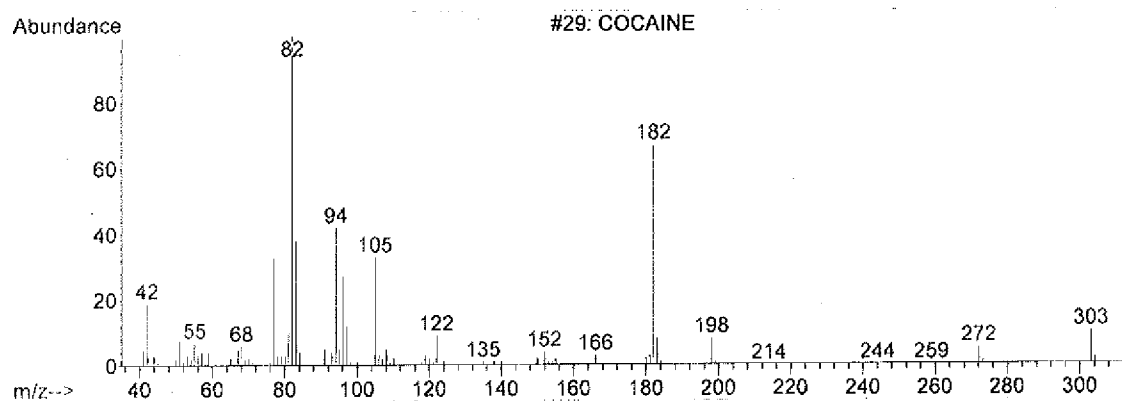
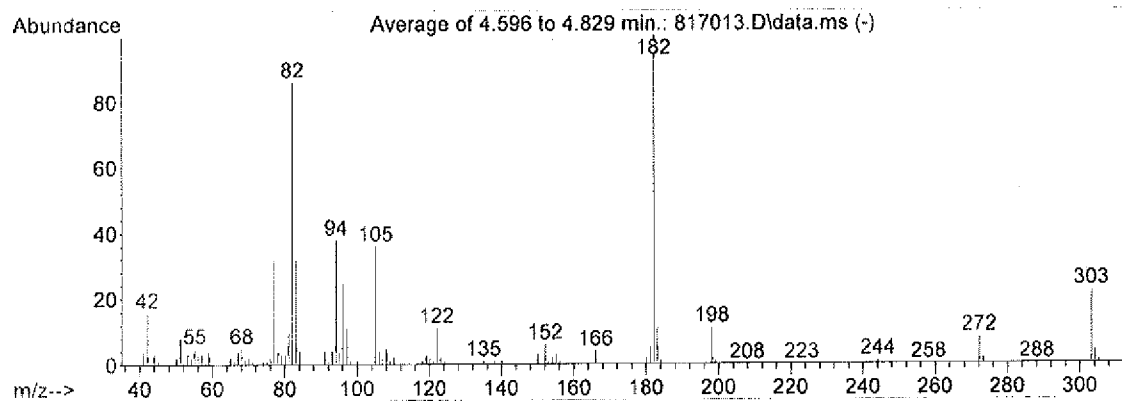
Area Percent / Library Search Report

Information from Data File:

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 Operator : KAC
 Date Acquired : 14 Feb 2012 17:10
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 13
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

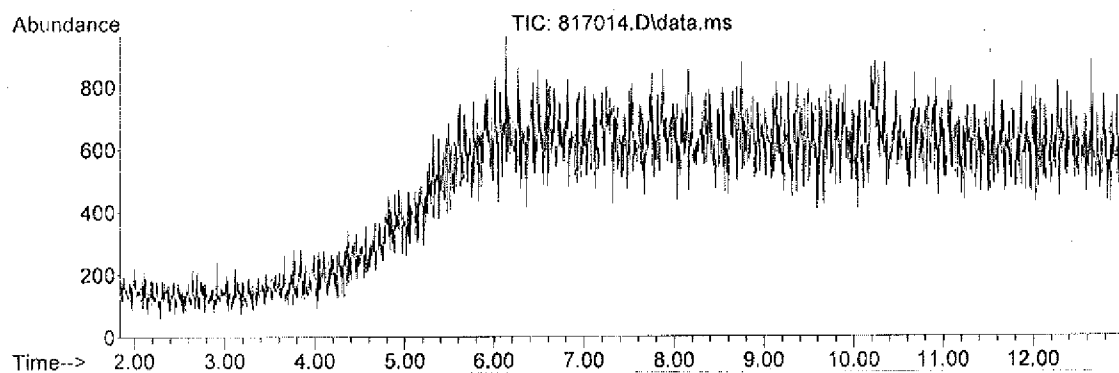
PK#	RT	Library/ID	CAS#	Qual
3	4.68	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817014.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:26
 Sample Name : BLANK
 Submitted by : HLL
 Vial Number : 1
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



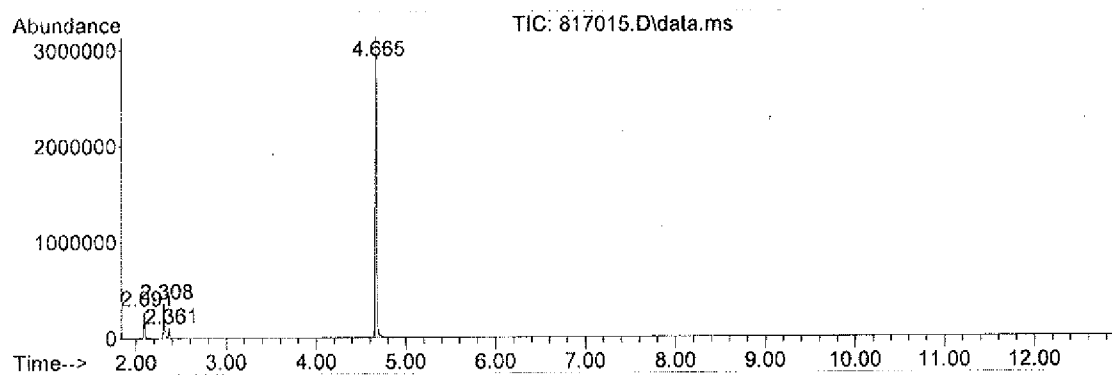
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817015.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:41
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 15
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



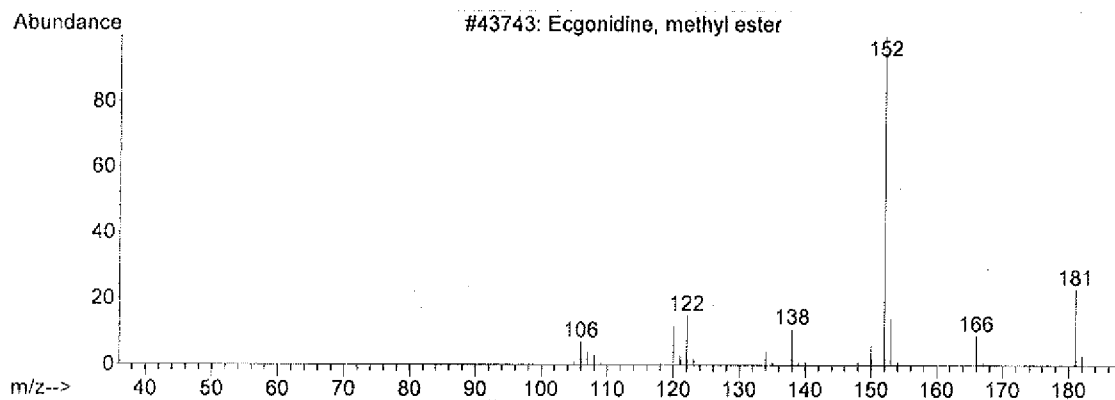
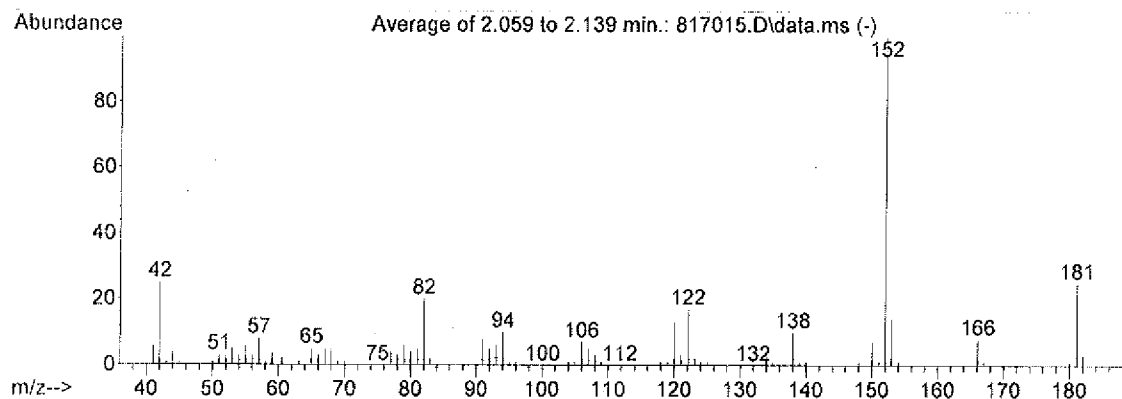
Ret. Time	Area	Area %	Ratio %
2.091	278661	6.70	8.17
2.308	359070	8.64	10.53
2.361	110423	2.66	3.24
4.665	3409068	82.00	100.00

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817015.D
Operator : KAC
Date Acquired : 14 Feb 2012 17:41
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.09	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43



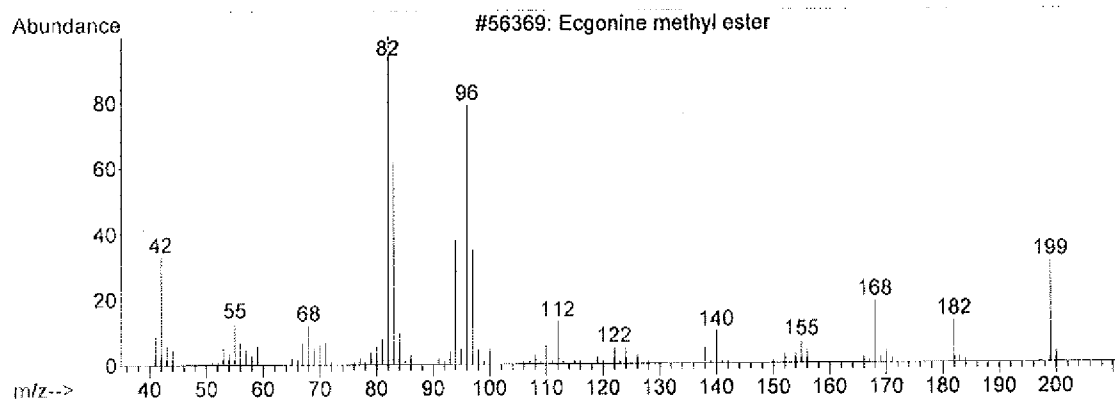
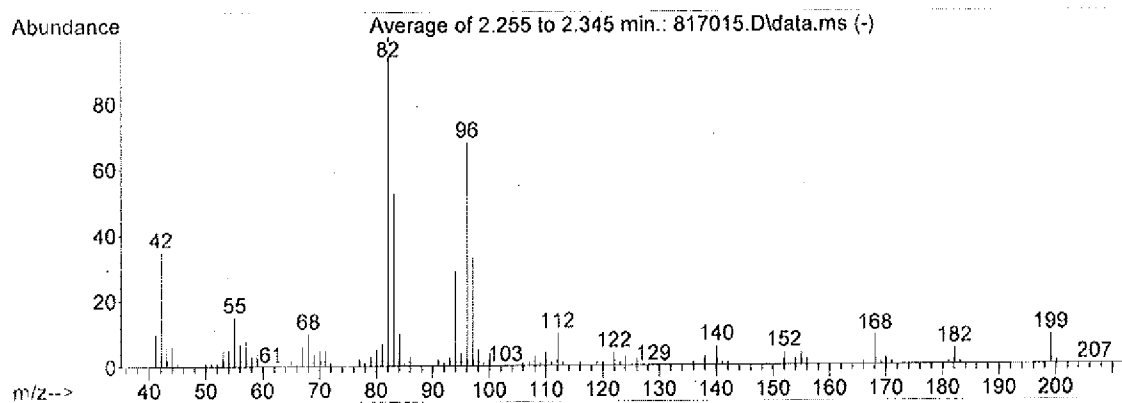
Area Percent / Library Search Report.

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817015.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:41
 Sample Name : XXXXXXXXXX
 Submitted by : RLL
 Vial Number : 15
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.31	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97
		Ecgonine methyl ester	106293-60-1	97

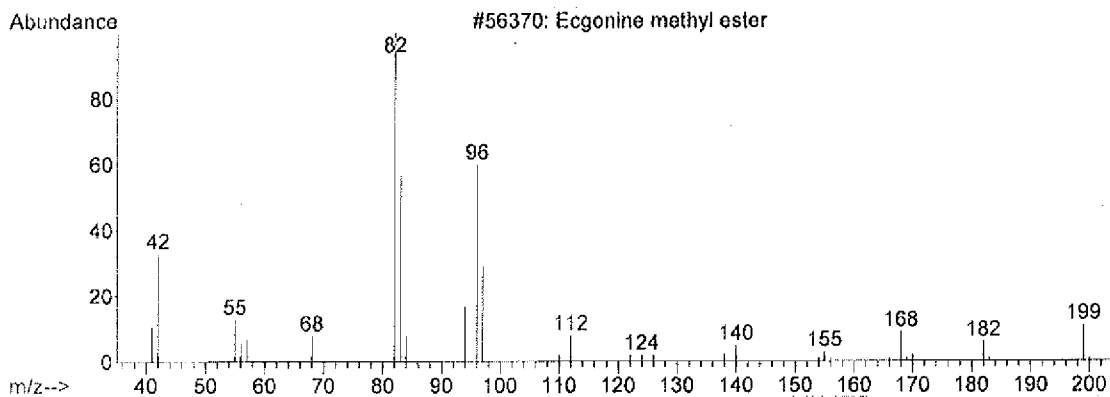
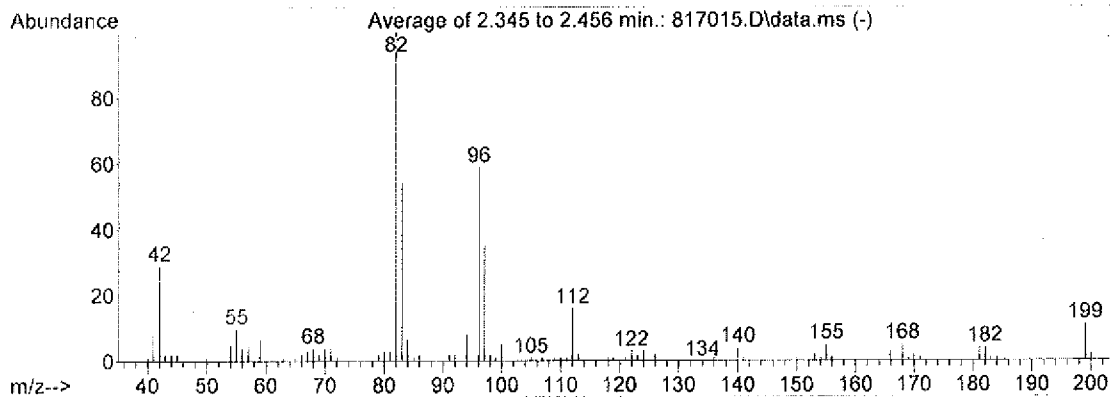


Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817015.D
Operator : KAC
Date Acquired : 14 Feb 2012 17:41
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.36	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	94
		Pseudoecgonine methyl ester	099189-88-5	94
		Ecgonine methyl ester	106293-60-1	90



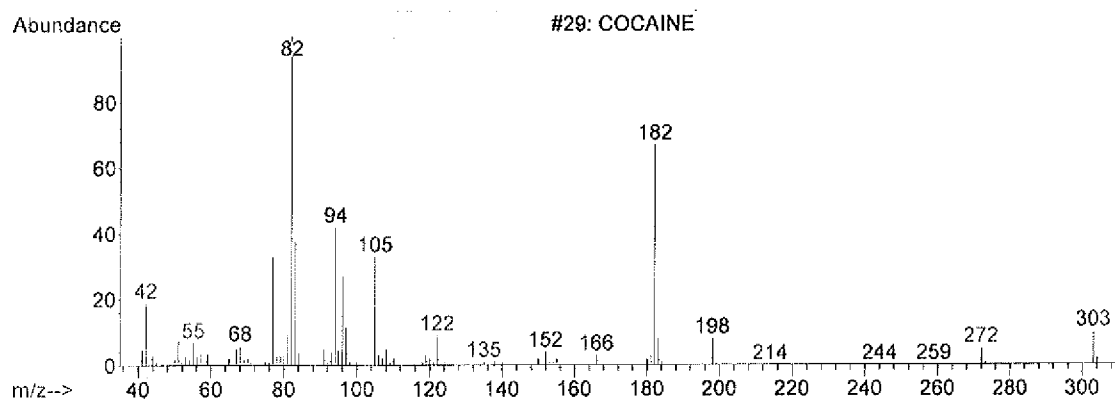
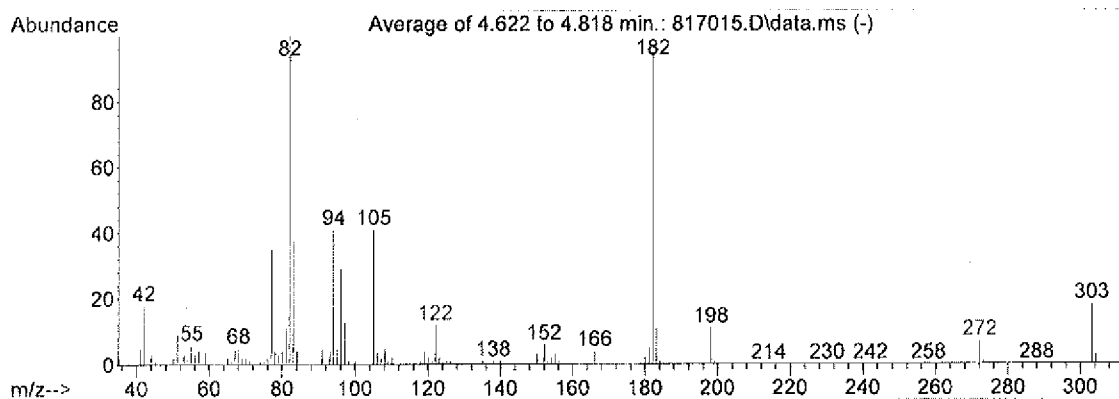
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817015.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:41
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 15
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

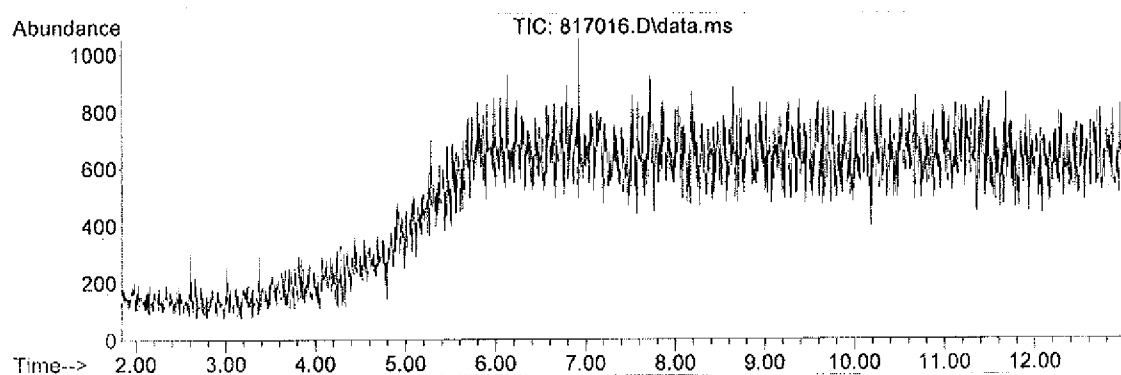
PK#	RT	Library/ID	CAS#	Qual
4	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817016.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 17:57
 Sample Name : BLANK
 Submitted by : HLL
 Vial Number : 1
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



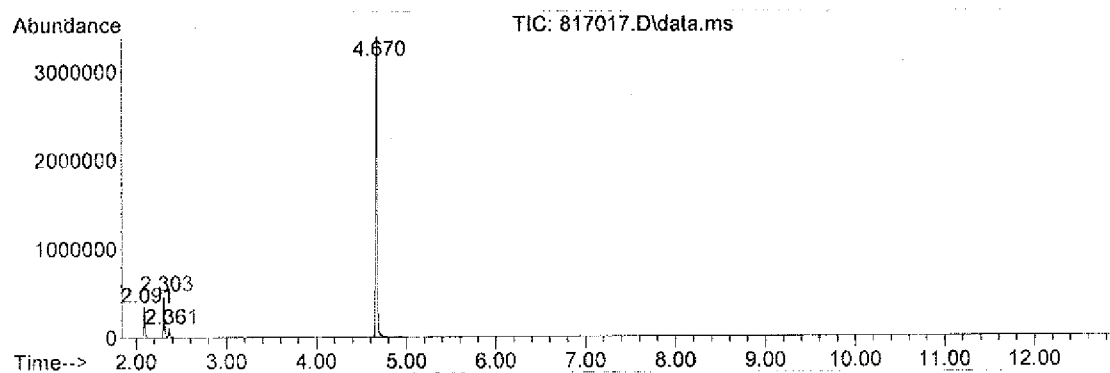
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817017.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 17
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.091	343852	6.84	8.37
2.303	455781	9.06	11.09
2.361	119064	2.37	2.90
4.670	4110325	81.73	100.00

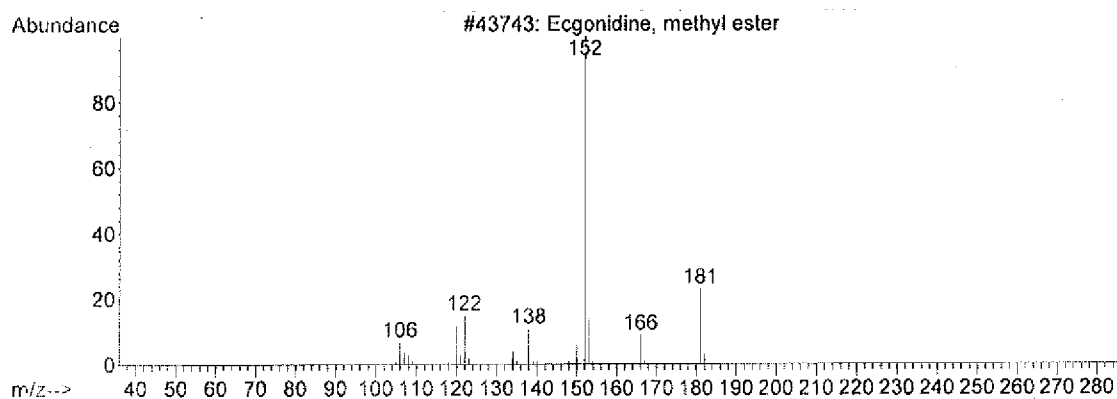
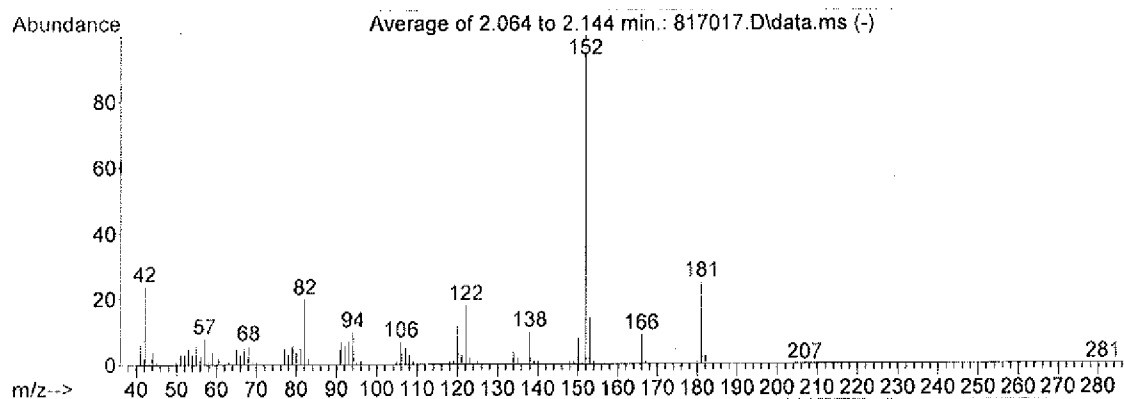
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817017.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 17
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.09	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		3,5-Dimethoxyphenethylamine	003213-28-3	43

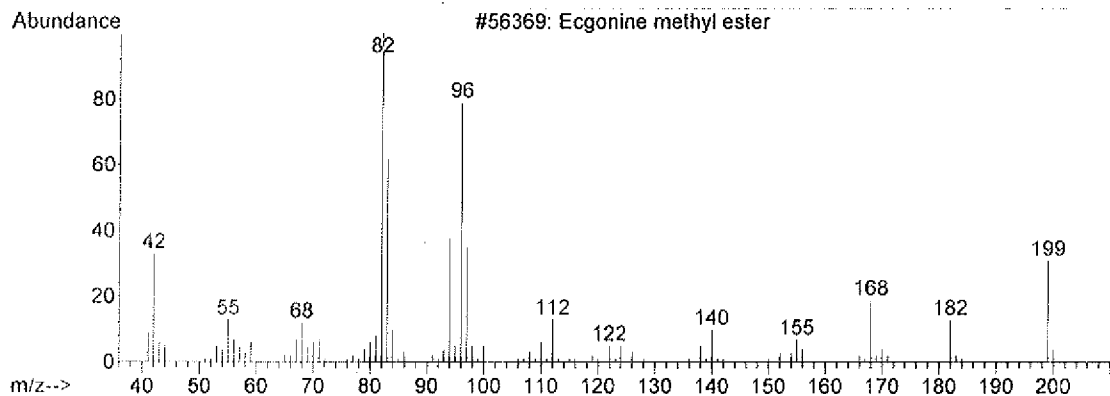
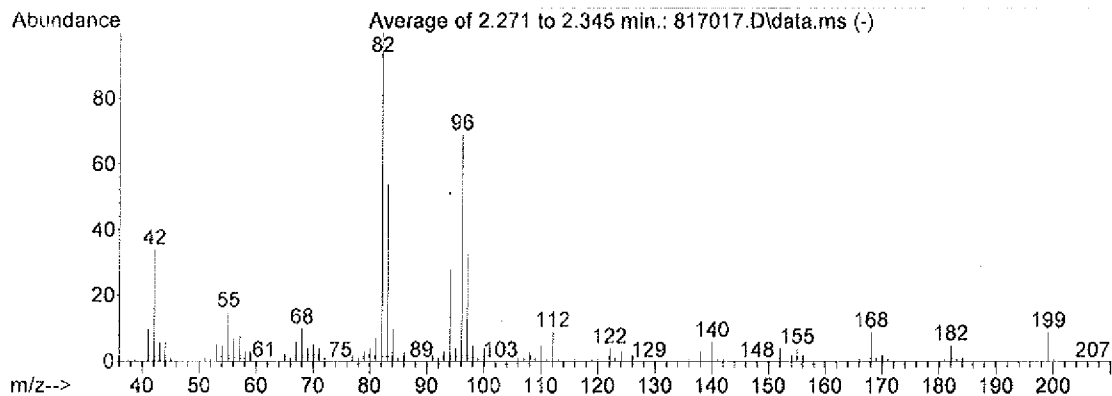


Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817017.D
Operator : KAC
Date Acquired : 14 Feb 2012 18:13
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 17
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.30	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97



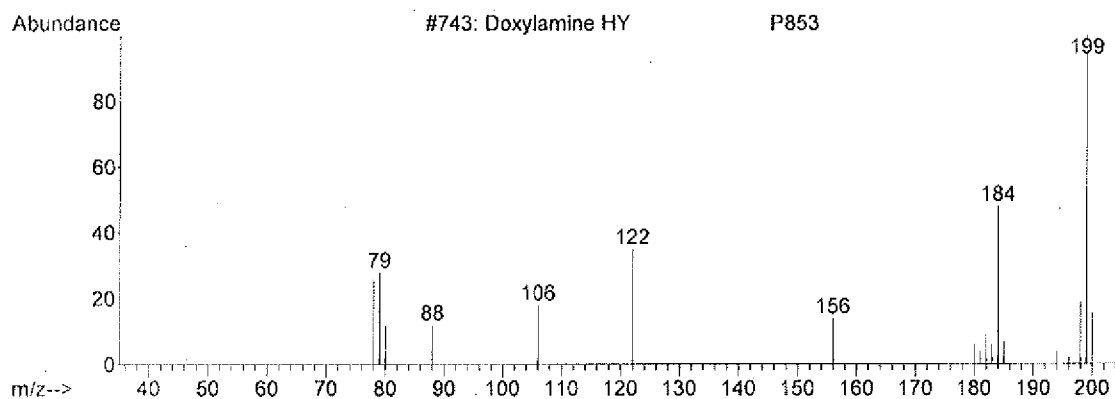
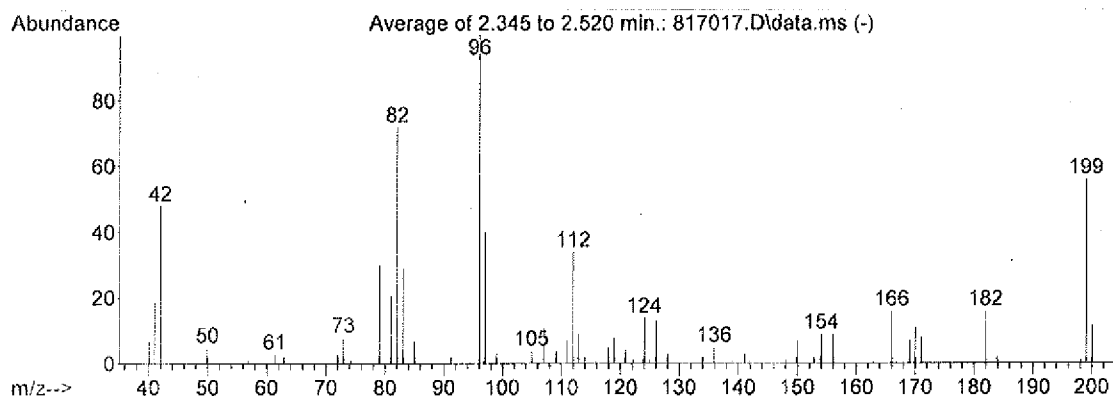
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817017.D
 Operator : KAC
 Date Acquired : 14 Feb 2012 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : HLL
 Vial Number : 17
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\NIST05a.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.36	C:\Database\PMW_TOX2.L		
		Doxylamine HY	000000-00-0	9
		Phenothiazine	@ 000092-84-2	7
		Flurbiprofen	005104-49-4	4

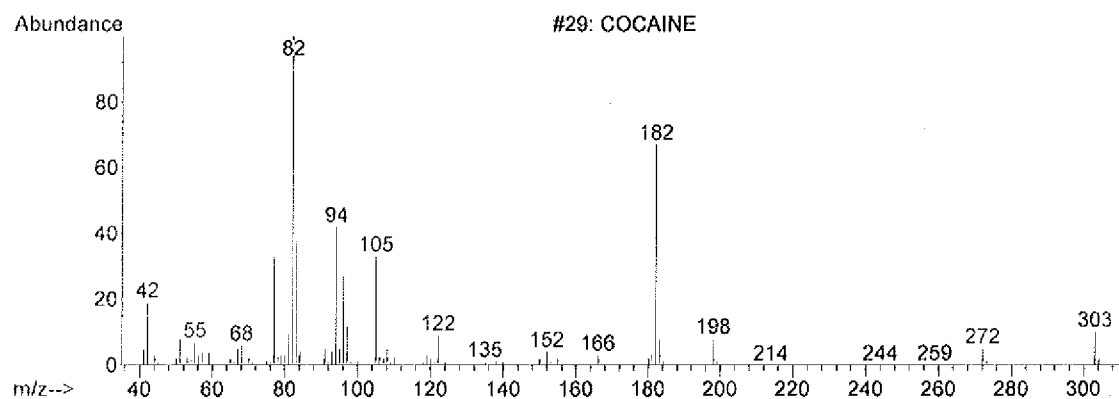
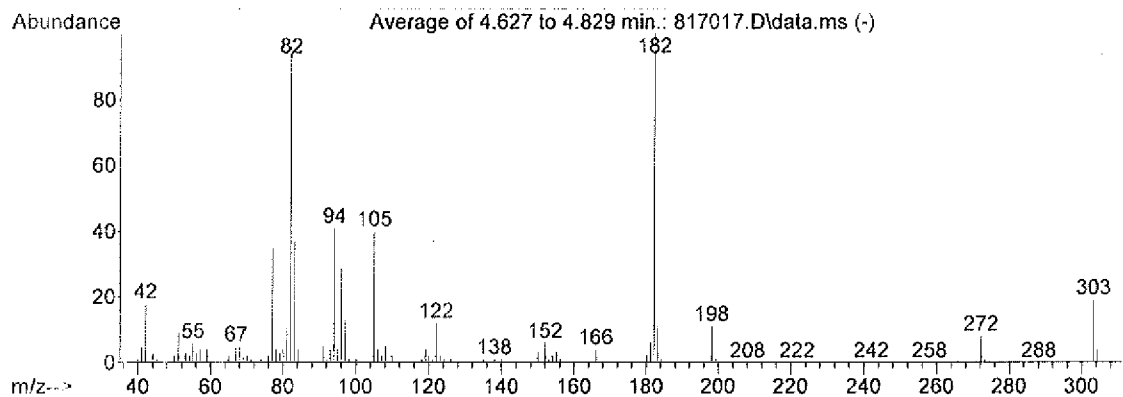


Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817017.D
Operator : KAC
Date Acquired : 14 Feb 2012 18:13
Sample Name : XXXXXXXXXX
Submitted by : HLL
Vial Number : 17
AcquisitionMeth: DRUGS.M
Integrator : RTE

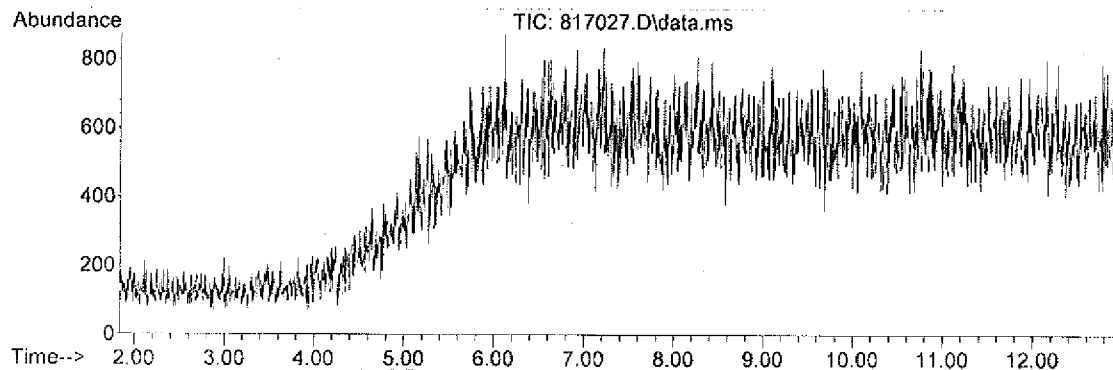
Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.67	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817027.D
Operator : KAC
Date Acquired : 14 Feb 2012 20:49
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

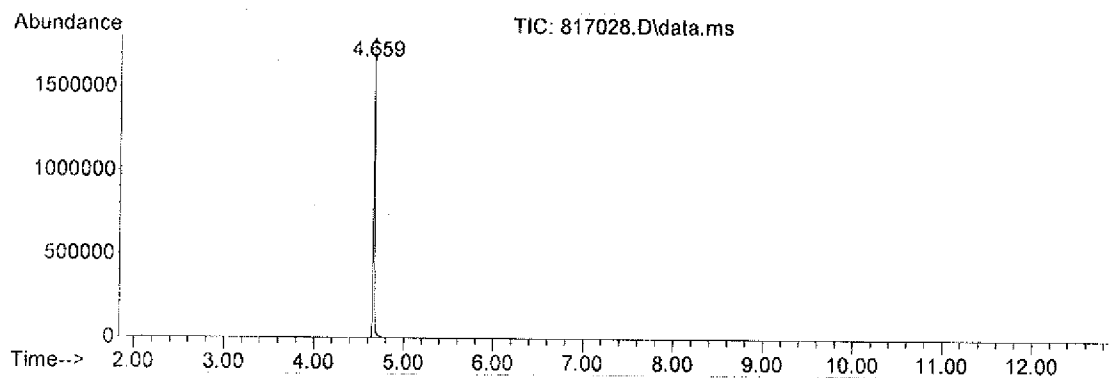


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817028.D
Operator : KAC
Date Acquired : 14 Feb 2012 21:05
Sample Name : COCAINE STD
Submitted by :
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.659	1771642	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02_14_12\817028.D
Operator : KAC
Date Acquired : 14 Feb 2012 21:05
Sample Name : COCAINE STD
Submitted by :
Vial Number : 28
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\NIST05a.L Minimum Quality: 85
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

